

International Application No.: PCT/JP03/10282
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IN THE ABSTRACT:

Please replace the Abstract of the Disclosure originally filed with the above-identified patent application with the following Abstract:

ABSTRACT OF THE DISCLOSURE

An antenna apparatus includes two circular waveguides including a fixed-side circular waveguide and a rotation-side circular waveguide, each having a propagation mode in a TM₀₁ mode, and being arranged coaxially with each other while a waveguide-side choke is provided between the two waveguides. A rectangular waveguide is connected to the fixed-side circular waveguide. Thereby, the high-frequency signal fed from the rectangular waveguide to the fixed-side circular waveguide can be radiated from a primary radiator to which the rotation-side circular waveguide is connected. While the circular waveguides ~~1 and 3~~ and the waveguide-side choke ~~4~~ can constitute a rotary joint, by rotating the primary radiator ~~5~~ together with the rotation-side circular waveguide ~~3~~, scanning can be carried out with a high-frequency signal radiated from the primary radiator ~~5~~.